

भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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No. 15] NEW DELHI, SATURDAY, APRIL 14, 1990 (CHAITRA 24, 1912)

इस भाग में मिश्र पुष्ट संख्या की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
 Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
 [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
 PATENTS AND DESIGNS
 Calcutta, the 14th April 1990

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 New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

1—17GI/90

Patent Office Branch,
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 Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office)
 "NIZAM PALACE", 2nd M.S.O. Building,
 5th, 6th and 7th Floor,
 234/4, Acharya Jagadish Bose Road,
 Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
एकल तथा अभिकल्प
कलकत्ता, दिनांक 14 अप्रैल 1990

पेटेंट कार्यालय के कार्यालयों के पने एवं क्षेत्राधिकार
पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है
तथा बम्बई, विल्ली एवं गद्वास में इसके शास्त्र कार्यालय हैं,
जिनके प्रादर्शीक क्षेत्राधिकार जोन के आधार पर निम्न रूप में
प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्र,
टोडी इस्टर्ट,
तीसरा तल, लोअर पर्सेन (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, दमन तथा दिन एवं
दादरा और नगर हवेली।

तार पता—‘पेटोफिस’।

पेटेंट कार्यालय शास्त्र,
एकल सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करांल बाग,
नहर विल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा विल्ली।

तार पता—‘पेटेंटोफिस’।

पेटेंट कार्यालय शास्त्र,
61, वालाघाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाइण्डेरी,
लक्ष्मीपुरम, मिनिकाश तथा
एमिनिदिवि द्वीप।

तार पता—‘पेटोफिस’।

पेटेंट कार्यालय (प्रधान)
निजाम पैलेस, द्वितीय ब्लॉक तीसरी कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता—‘पेटेंट्स’।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपेक्षित शेषी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे।

शुल्क :—शुल्कों की जदोयगी या तो नकद की जायेगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भगतान योग्य धनादेश अथवा
आक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा घेक द्वारा की जा सकती है।

CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 1st October 1988, Page - 999, Column I under the heading "Cessation" of Patents.

Delete Patent No. 142864.

In the Gazette of India Part III, Section 2 dated the 8th July 1989, Page No. 690, Column-2 under the heading "Cessation" of Patents.

Delete Patent No. 149747.

For No. 149776 Read No. 149777.

In the Gazette of India Part III, Section-2, dated the 7th October 1989, Page No. 968, Column-I, under the heading "Cessation" of Patents.

Delete Patent No. 150726.

Delete Patent No. 150817.

Gazette of India Part III, Section 2 dated 25th November, 1989

(1) In respect of Patent No. 165621 (80/BOM/1986) on page No. 1133 under heading of Appropriate office read as patent office Bombay Branch instead of patent office Madras Branch.

(2) In respect of Patent No. 165622 (175/BOM/1986) on page No. 1133 under heading of Appropriate office read as patent office Bombay Branch instead of Patent Office Madras Branch.

In the "GAZETTE OF INDIA" (Part III, Section-2) dated 23rd September, 1989, under the heading complete specification accepted in complete specification number 165340, read the name of applicant as RCA-LICENSING CORPORATION instead of RCA CORPORATION.

CHANGE OF NAME OF THE APPLICANTS FOR PATENT

Application for patent no. 870/Cal/85 filed on 4th December, 1985, notified in the "GAZETTE OF INDIA" (Part III, Section-2) dated 23rd September, 1989 will proceed in the name of "RCA LICENSING CORPORATION" by order dated 25th November, 1989.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

1st March, 1990.

186/Cal/90. E.I. Du Pont De Nemours & Company. Continuous production of polyester filaments.

*187/Cal/90. Bell Pole Co. Ltd. Process for fixing wooden articles pressure treated with chromated-copper-arsenate.

(Convention date 7th March, '89; 593, 023; Canada)

188/Cal/90. Saint-Gobain Vitrage International. Apparatus for bending glass plates.

2nd March, 1990.

189/Cal/90. Gerhard Schmidt and Heinz Schmidt. A device for the dehydration of sewage sludge. (Convention date 2nd March, 1989; No. 89103604.8; Country-EP)

*190/Cal/90 Colux Gesellschaft Fur Light-Und Leichtbau GmbH. A solar energy collecting system.

191/Cal/90. Voest-Alpine Industrieanlagenbau Gesellschaft m.b.H. Voest-Alpine Stahl Aktiengesellschaft. Process for producing combustible gases within a smelting gasifier.

5th March, 1990.

192/Cal/90. Mdt Corporation. Gasket Assembly.

193/Cal/90. Degussa Aktiengesellschaft. A means of controlling gas flows in vacuum furnaces.

194/Cal/90. Dipak Kumar Nandy. Multiple Wick Candle Stove.

Applications for patents filed at the Patent Office Branch, Municipal Market Building, 3rd Floor, Karol Bagh, New Delhi-110005.

The 20th February 1990

146/Del/90. Fernand Scherrer. "Infrared radiation heating device, fixed on a wall or the ceiling of a room in a building".

147/Del/90. Motorola Inc. "Bulletin board resource for communication system access".

148/Del/90. The Lubrizol Corporation. "Emulsifiers and explosive emulsions containing same."

149/Del/90. Wireless Amateurs. "A sun tracker".

The 21st February 1990

150/Del/90. Grosfillex S.A.R.L., "Monolithic seat made of injected plastics material."

151/Del/90. Grosfillex S.A.R.L., "Monolithic armchair made of injected plastics material stackable with small pitch."

152/Del/90. International Business Machines Corporation. "Apparatus and method for producing blue green light radiation."

153/Del/90. National Institute of Immunology. "Recombinant vaccine for protection against rabies infection, process for preparation thereof and method of immunisation of subjects therewith."

The 22nd February 1990

154/Del/90. Thumswamy Joseph David. "Dummy air craft for air defence (Defence purpose)."

155/Del/90. Council of Scientific & Industrial Research. "A process for making composite material using gypsum and agro waste materials, useful as building material."

156/Del/90. Council of Scientific & Industrial Research. "Improvements in or relating to the deposition of semiconducting films by the brush plating technique".

157/Del/90. Council of Scientific & Industrial Research. "A process for the preparation of a new proton accepting polymer useful for the preparation of polymer having drag reducing properties in hydrocarbon fluids".

158/Del/90. Council of Scientific & Industrial Research. "A process for the preparation of a new proton donating polymer useful for the preparation of a polymer having drag reducing properties in hydrocarbon fluids".

159/Del/90. Council of Scientific & Industrial Research. "A process for the preparation of a new polymer useful for drag reduction in hydrocarbon fluids".

160./Del/90. Council of Scientific & Industrial Research. "A process for the preparation of a new polymer useful for drag reduction in hydrocarbon fluids in exceptionally dilute polymer solutions".

161/Del/90. Albright & Wilson Ltd. "A process for the preparation of a synergistic biocidal composition". (Convention date 24th February, 1989) (U.K.).

162/Del/90. Reger Gallois Monbrun, "A solar collector".

163/Del/90. Burlington Industries Inc. "A bath and method for the plating of articles by electro-deposition". [Divisional date 3rd June, 1987].

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

19th February, 1990.

131/Mas/90. Minnesota Mining and Manufacturing Company. Metallic inner enclosure for an electrical cable connection.

132/Mas/90. Henkel Kommanditgesellschaft auf Aktien. Drilling fluids.

133/Mas/90. Henkel Kommanditgesellschaft auf Aktien. Drilling fluids.

20th February, 1990.

134/Mas/90. Namana Venkata Satya Subya Prasad. Style—"S.D.S."

135/Mas/90. JS Telecom. Method and apparatus for accessing a distributed communications network.

21st February, 1990.

136/Mas/90. Hartmut Hennige. A method and a device intended for simplifying the use of plurality of credit cards, or the like.

137/Mas/90. Reihansl Maschinen Pnmpen. Lateral Channel Pump.

138/Mas/90. A. Ahlstrom Corporation. Waterwalls in a fluidized bed reactor.

139/Mas/90. Cabot Corporation. Method and apparatus for abrading.

22nd February, 1990.

140/Mas/90. Fluid Technology (AUST) Ltd.. Line pressure regulator. (February 27, 1989; Australia).

141/Mas/90. Cogent Limited. Probes, its and methods for the detection and differentiation of mycobacteria.

(February 22, 1989; Great Britain)

142/Mas/90. Charbonages de France (Etablissement public). A non-mechanical rate controller for a solid flow established between two fluidized media.

143/Mas/90. (1) Narendra Ghorpade,

(2) Vankipuram Ramamurthy Ramrathanm,

(3) Vijay Ghorpade and

(4) Ranganathan Srinivasan. A multi axis adaptor for use with the valve assembly of a flushing cistern

23rd February, 1990.

144/Mas/90. Huwood Limited. Belt Conveyor.
(February 25, 1989; Great Britain).

145/Mas/90. The Dow Chemical Company. Lubricants for refrigeration compressors.

146/Mas/90. The Dow Chemical Company. Polyglycol lubricants for refrigeration compressors and process for preparing the same.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

26th February, 1990.

147/Mas/90. S. Sridharan. Process for efficient fluidised bed combustion of bagasse and other light solid fuels.

148/Mas/90. Fmit, Inc.. Matrix Capacitor.

149/Mas/90. Donald Welton Shepherd. Stabiliser system for vehicles.

27th February, 1990.

150/Mas/90. Arumuga Nadar Chelladurai. Paper detonators.

151/Mas/90. Societe des Produits Nestle S.A.. Method of producing simulated meat product from whole soybeans.

152/Mas/90. Institut Francais Du Petrole. Production simulation by pilot test in a hydrocarbon deposit.

28th February, 1990

153/Mas/90. Maschinenfabrik Rieter AG. Adjusting Device.

154/Mas/90. Datron Inc. Aircraft arresting elemental net with multiple independent bottom horizontal straps.

155/Mas/90. SMS Schloemann-Siemag Aktiengesellschaft. Continuous casting plant for casting blooms.

156/Mas/90. Caterpillar Inc. Track Adjuster flow control mechanism. (August 31, 1989; Canada).

1st March, 1990.

157/Mas/90. Maschinenfabrik Rieter AG. Bobbin changing procedure with mandrel drive.

158/Mas/90. Maschinenfabrik Rieter AG. Device for the elimination of dirt from a fibre fleece.

159/Mas/90. Eduard Kusters Maschinenfabrik GmbH & Co. Process and apparatus for the continuous production of wood-chip panels and the like.

The 2nd March 1990

160/Mas/90. GEC Plessey Telecommunication Limited High speed asynchronous data interface.

161/Mas/90. Sun Plan Investments Limited. Telephone support device. (March 3, 1989; United Kingdom).

162/Mas/90. Peavey Electronics Corporation. Audio Amplifier with phase modulated pulse width modulation. (March 4, 1989; United Kingdom).

Alteration

166330 : Anti-dated to 21st November, 1983.
(712/Cal/1986)

OPPOSITION PROCEEDINGS.

The opposition entered by I. A. E. C. India Ltd. to the grant of a patent on application No. 161031 made by Taprogge Gesellschaft m.b.H., as notified in the Gazette of India, Part III, Section 2 dated 27th February, 1988 has been dismissed and it is ordered that a patent shall be sealed on the application for Patent No. 161031 in the prescribed manner.

PATENT SEALED

164831	165038	165039	165057	165063	165064	165065
165122	165123	165127	165135	165138	165139	165177
165182	165184	165185	165186	165190	165193	165195
165196	165197	165200				

CAL—1.

MAS—9.

DEL—10.

BOM—4.

AMENDMENT PROCEEDING UNDER SECTION 57.

The amendment proposed by KUMAR BALRAM BHATIA C/o Blue Engineers Pvt. Ltd., D-12, MIDC, Bombay-400 093, Maharashtra, India in respect of Patent Application for Patent No.—164238 and advertised in Part III, Section 2 of the Gazette of India dated 29th July, 1989 has been allowed.

The amendment proposed by GODREJ SOAPS LIMITED of Pirojshanagar, Eastern Express Highway, Vikhroli, Bombay-400 079, Maharashtra, India in respect of Patent application for Patent No. 158190 as advertised in Part III, Section 2 of the Gazette of India dated the 14th October, 1989 has been allowed.

The amendments proposed by M/s. Automotive Products OPLC of Tochborrok Road Leamington Spa, Warwick Shire, CU31, 3ER, England in respect of Patent application no. 156086 as advertised in Part III, Section 2 of the Gazette of India dated 5-12-86 have been allowed/refused.

REGISTRATION OF ASSIGNMENTS LICENCES ETC.
(PATENTS)

In pursuance of an application received on 3-08-87 granted to Marston Palmer Limited, a British Company, of Wobaston Road, Fordhouses, Wolverhampton WV 10 6QJ, England is registered as proprietors/licences/mortgagors by virtue of an assignment deed/licence agreement/ mortgage deed dated 4th June, 1987 and made between Marston Palmer Limited of the one part and Imperial Chemical Industries PLC of other part in respect of patent No. 147951

RENEWAL FEES PAID

144760	144973	145261	145590	145890	146160	146459
146485	146503	147319	147442	147483	147569	149063
149126	149289	149394	149503	149659	149978	150269
150423	150461	150619	150626	151048	151049	151050
151129	151406	151428	151605	151774	151836	151894
152065	152104	152124	152154	152181	152320	152346
152669	152942	153042	153617	153698	153979	154089
154100	154107	154108	154111	154155	154498	154521
154530	154582	154583	154650	154811	154840	154872
154873	154874	154892	155165	155347	155533	155605
155607	155750	155944	156100	156172	156237	156623
156695	156824	156825	156989	157067	157120	157294
157356	157412	157418	157529	157638	157650	157734
157762	158187	158267	158268	158324	158335	158586
158616	158719	158720	158721	158760	159122	159221
159520	159528	159529	159536	159662	159706	159776
159806	159841	160119	160131	160133	160137	160158
160248	160303	160308	160314	160316	160318	160347
160415	160430	160495	160496	160498	160499	160856
160894	160930	160963	160970	161000	161140	161582
161658	161690	161747	161858	161886	161947	161952
161970	162055	162184	162659	162660	162699	162719
162730	162811	163019	163021	163298	163300	163315
163367	163401	163540	163591	163638	163782	163794
163852	163856	163893	163930	163931	163932	163942
163984	163986	163999	164068	164111	164123	164124
164125	164126	164129	164145	164154	164191	164193
164196	164197	164243	164281	164282	164284	164374
164375	164392	164394	164537	164619	164625	164640
164676	164696	164720	164732	164815	164891	164895
164897	164898	164911	165030	165047	165086	165144
165208.						

CESSATION OF PATENTS

151689	151693	151695	151697	151699	151700	151701
151703	151704	151705	151706	151707	151710	151713
151716	151721	151722	151726	151728	151729	151732
151735	151738	151740	151741	151742	151743	151746
151751	151752	151753	151756	151758	151760	151761
151762	151766	151771	151773	151777	151780	151781
151782	151784	151788	151792	151793	151795	151799
151800	151801	151802	151804	151806	151809	151810
151813	151815	151818	151819	151821	151822	151824
151825	151826.					

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160617 granted to Waman Ghanshyam Desai and Pradip Waman Desai for an invention relating to a process for reclaiming of steel bead wire from waste or scrapped vehicle tyres for using such reclaimed sheet bead wire in the manufacture of new tyres for cycles/motor cycles mopeds/ and/or two or three wheeler vehicles".

The patent ceased on the 1st February 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3-2-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th June 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिदेश

एतत्रव्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुबान का विरोध करने के इच्छुक कोरोड्यू अधिक, इसके नियम की तिथि से 4 महीने या अग्रिम एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियन्त्रक, एकत्र को एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अधिक पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिदेश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिदेशों की सीमित संख्यक में मूद्रित इतियां, भारत सरकार बुक डिपो, 8 फिरण शंकर राम रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होंगी। प्रत्येक विनिदेश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक लर्च)। मूद्रित विनिदेश की आपूर्ति होते साथ-पात्र के साथ निम्नलिखित सूची में यथा इवंशत विनिदेशों की संख्या संलग्न रहनी चाहिए।

स्पर्धक (चित्र आरेंज) की फॉटो प्रतियां नीचे कोई हैं; के साथ विनिदेशों की टंकित अथवा फॉटो प्रतियों की आपूर्ति पेट्रोल कार्बनिय, कलकत्ता, द्वारा विहित निष्पान्तरण प्रभार उक्त कार्बनिय से पश्च व्यवहार द्वारा सुनिश्चित करने थे उपर्यंत उसकी उदायगी पर की जा सकती है। विनिदेश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिदेश के सामने लीचे दर्शित चित्र आरेज कागजों को जोड़कर उसे 4 से ग्राण करके; (व्याकुल प्रत्येक पृष्ठ का निष्पान्तरण प्रभार 4/- रु. है) फॉटो निष्पान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 125-B₂

166321

Int. Cl. : G 12 b 13/00.

AUTOMATIC CALIBRATION AND CONTROL SYSTEM FOR COMBINED OXYGEN AND COMBUSTIBLES ANALYZER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U.S.A.

Inventors : (1) GORDON DAVIES WOOLBERT, (2) SCOTTY YOUNG JEWETT, (3) JOHN WALTER ROBERTSON, JR.

Application No. 825/Cal/1986 filed November 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

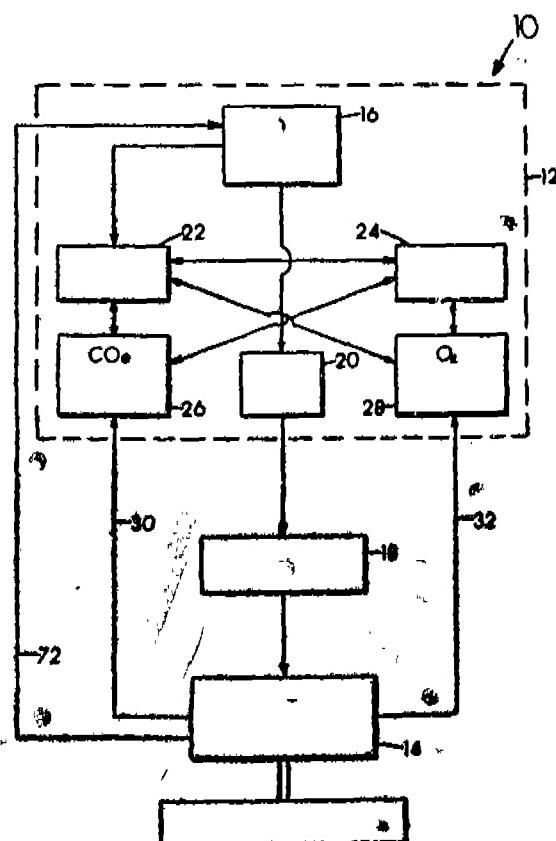
12 Claims

An automatic calibration and control system for a combined oxygen and combustibles analyzer comprising :

an analyzer for sensing a level of oxygen and a level of combustible in a volatile atmosphere and producing a first signal indicative of said oxygen level and a second signal indicative of said combustibles level in said atmosphere;

means for introducing calibration test gases into said analyzer; and

means for concurrently calibrating said signals indicative of said oxygen and combustibles levels from said analyzer.



Compl. specn. 18 pages.

Drgs. 4 sheets

CLASS :

166322

Int. Cl. : D 01 g 7/00.

A BALE OPENER.

Applicant : TRUTZCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventors : FERDINAND LEIFELD.

Application No. 768/Cal/1986 filed October 21, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A bale opener comprising :

a carriage arranged for floor travel along a travelling path;

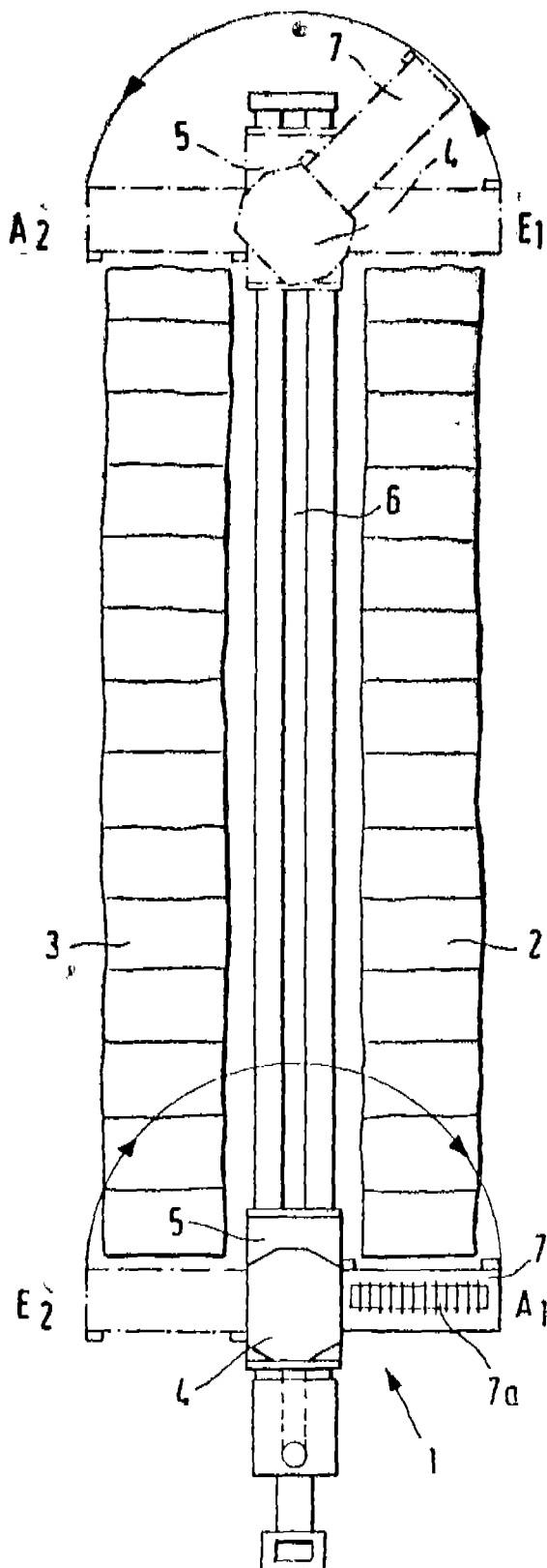
a tower mounted on the carriage for travel therewith as a unit and for rotation relative to the carriage about a vertical axis through 180° at ends of the travelling path without employing conventional blocking means;

an opening device mounted on the tower and projecting laterally therefrom;

said opening device including a generally horizontally supported opening roller arranged for rotation and

for travel above serially positioned fiber bales for removing fiber tufts from top faces of the fiber bales; and drive means for rotating said tower through 180°;

an rpm-controllable electric motor provided with said drive means and a control means such as a microprocessor operatively connected with said electric motor for setting predetermined rpm's therefore.



Compl. specn. 8 pages.

Drgs. 3 sheets

Int. Cl. : B 26 d 5/04; 5/06.

166323

AN APPARATUS FOR CONTROLLING THE MOVEMENT OF AN UNIVERSALLY SWIVELLABLE CUTTING ARM OF A PARTIAL CUT CUTTING MACHINE.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-4020 LINZ, MULDENSTRASSE 5, AUSTRIA.

Inventors : (1) EDUARD SCHELLENBERG, (2) GERHARD STEINRUCKER, (3) HEDWIG WRULICH, (4) REOMJARD NEUPER, (5) ALFRED ZITZ.

Application No. 761/Cal/1986 filed October 20, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

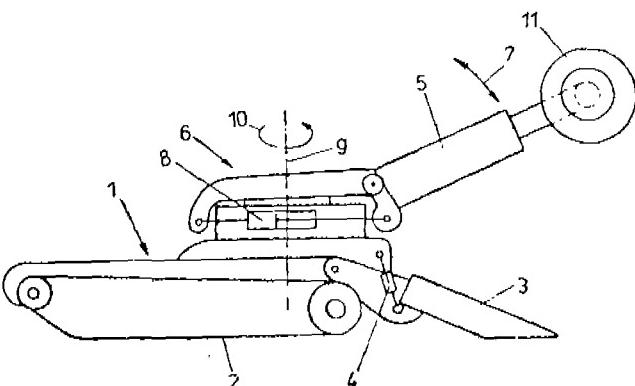
6 Claims

An apparatus for controlling the movement of an universally swivellable cutting arm (5) of a partial cut cutting machine (1) comprising :

a first hydraulic drive means (8) for lifting and lowering the cutting arm (5) and a further hydraulic drive means (12) for swivelling the cutting arm (5) transversally relative to the direction of lifting movement;

characterized in that electrically controllable valves (23, 17) are interconnected into the conduits for pressurized fluid connected to the drive means (8, 12) and in that an electric or respectively;

electronic control device (26) is connected with the valves (23, 17), noting that the electric or, respectively, electronic control device (26) comprises switches (22) for actuating the electrically controllable valves (23, 17) said valves being controllable by adjustable timing members (21) and/or by fluid and/or by displacement pickups arranged on the adjusting cylinders (8, 12).



Compl. specn. 19 pages.

Drgs. 4 sheets

CLASS : 84-C.

166324

Int. Cl. : C 10 L 5/16.

HIGH-SOLIDS (CARBONACEOUS FUEL) CONTENT COAL-TAR MIXTURE AND PROCESS OF PREPARING SAME.

Applicant CENTRO SPERIMENTALE METALLURGICO S. P. A., OF VIA DI CASTEL ROMANO, 00129, ROMA, ITALY.

Inventors : (1) GIUSEPPE CORRERA, (2) VITTORIO ERRIGO, (3) GIAN SILVIO MALGARINI, (4) SANTI PALELLA, (5) FRANCESCO TAMMARO.

Int. Cl.: E 05 d 5/00.

166327

HINGED LABELING PANEL.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : BERND SCHOLZ.

Application No. 401/Cal/1986 filed May 30, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A hinge-mounted labeling panel locking a plug-in module of a subassembly in place, the plug-in module including a disconnect aid mechanism and the subassembly including at least one crossbar with a guide opening, the hinge-mounted labeling panel comprising :

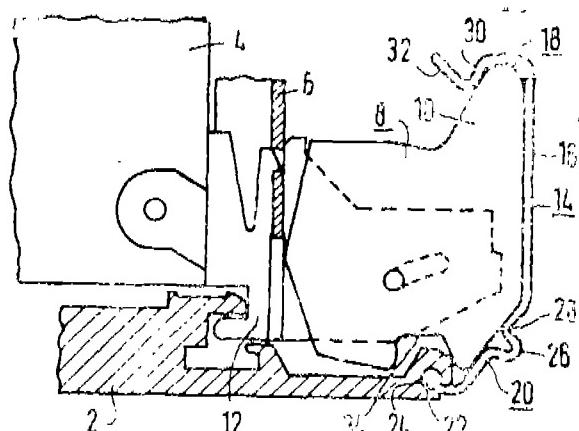
a first end and a second end;

a panel portion between the first end and the second end;

a flexible profile section;

a hinge portion on the first end of the hinge-mounted labeling panel mounted to the crossbar at the guide opening; and

a lock portion on the second end of the hinge-mounted labeling panel for locking onto the disconnect aid mechanism of the plug-in module; said flexible profile section elongating as the lock portion is locked onto the disconnect aid mechanism.



the means for storing the numerical authorization code comprises a programmable memory;

the access control, also includes means for storing numerical access code;

the comparing means is effective also to compare the encoded signals with the access code;

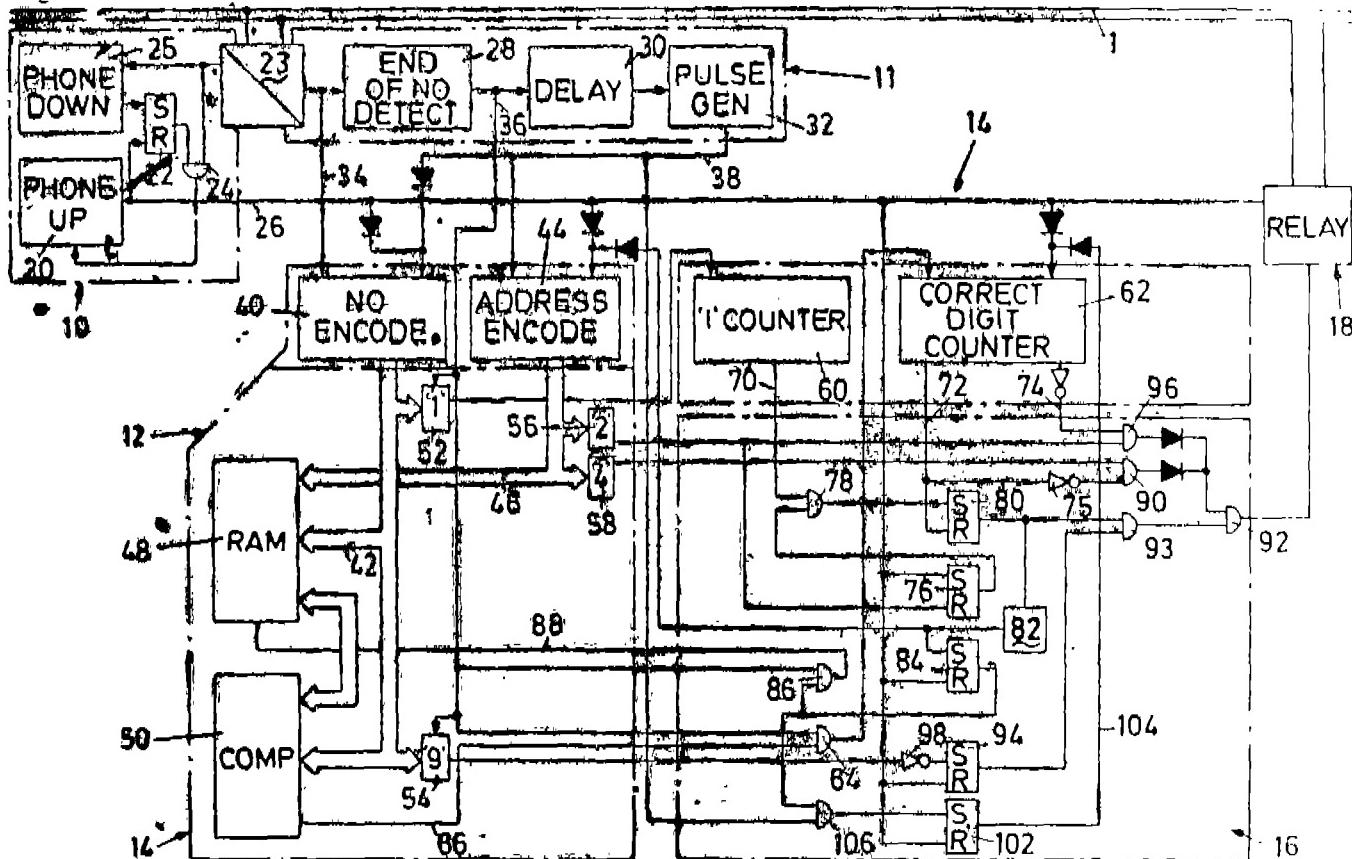
the switching control is effective.

(a) to switch the call barring means to its activated condition from the deactivated condition, and to actuate the line release means to effect temporary line release, in the event of the comparing means indicating that the encoded signals match the access code.

(b) to switch the call barring means to its deactivated condition from the activated condition, in the event of the comparing means indicating that the encoded signals match the memorized authorization code, and

(c) whether the call barring means is activated or deactivated, to actuate the line release means to effect temporary line release when the comparing means indicates that the encoded signals match the memorized authorization code; and

reprogramming means is provided, enabled when the call barring means is in its deactivated condition and the encoded signals match the access code, for replacing the authorization code in the memory with a subsequently dialled monitored and encoded signal.



Compl. Specn. 27 Pages. Drgs. 4 sheets.

Int. Cl. : C 04 b 35/02, 35/52, 35/54, 35/64.

166330

6 Claims.

A MIXED REFRACTORY BLOCK FOR USE IN ALUMINUM ELECTROLYSIS CELLS OR FURNACES.

Applicant : SOCIETE DES ELECTRODES ET REFRA-
TAIRES SAVOIE (SERS), OF 12, RUE DU
GENERAL FOY, 7508, PARIS, FRANCE.

Inventors : (1) DANIEL DUMAS,

(2) BRUNO DU MASNILDOT,

(3) CHRISTIAN MICHEL

Application No. 712/cal/1986 filed September 29, 1986.

[Divisional of Application No. 1430/Cal/1983 Anti-dated to November 21, 1983]

Appropriate Office for Opposition Proceeding (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

A mixed refractory block for use in aluminium electrolysis cells or furnaces characterised in that a portion, for example a face, is formed by a first refractory product, the other portion, for example the other face, being formed by a second refractory product, said first refractory product being a fired refractory product based on refractory grains and binder consisting essentially of charge of refractory grains belonging to the group comprising carbonaceous products such as anthracite, natural graphite, artificial graphite amorphous carbon, coke refractory compounds known as refractory hard metals (RHM) such as silicon carbide and refractory oxides such as alumina, corundum, magnesia, silicon and chromium oxide, taken separately, in mixture or in combination, said grains being secured together by a cement based on coked carbonaceous product and metal silicon being from 1 to 14.8% and preferably from 3 to 10.5%, said second refractory product being of known refractory material or said fired refractory product and

optionally comprising at least one intermediate layer of a third refractory product provided between the said faces one of the physical properties of which, for example the coefficient of expansion, is of a value intermediate between the same physical property of the first and second refractory product.

Compl. Specn. 15 Pages.

Drgs. N 1 J.

Int. CLASS¹ : F 27 B 15/16; 15/18

166331

A FLUIDIZED BED REACTOR

Applicant : A. AHLSTROM CORPORATION, A FINNISH CORPORATION EXISTING UNDER THE LAWS OF THE STATE OF FINLAND, LOCATED AT SF-29600 NOORMARKKU, FINLAND.

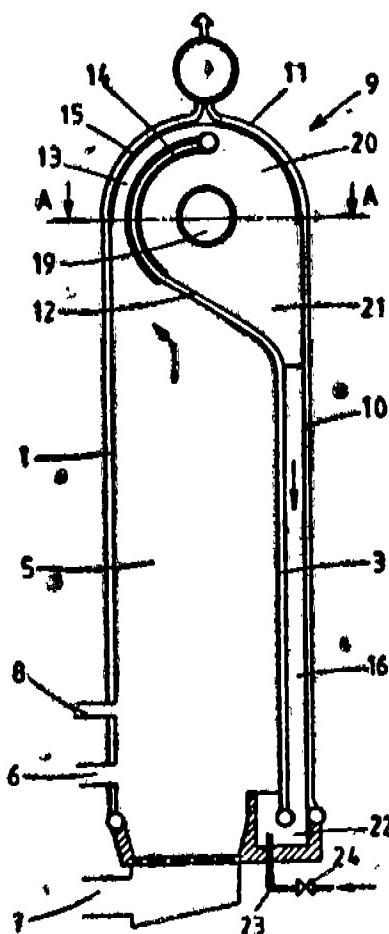
Inventors : (1) FOLKE ENGSTROM, (2) JUHA SARKKI.

Application No. 391/Mas/85 filed May 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A fluidized bed reactor having a combustion chamber the upper part of which is connected to a separator for separating solids from gases leaving the fluidized bed reactor and means for returning solids back to the reactor, characterized in that it comprises a plurality of parallelly functioning return pipes (16, 116, 205, 206) of which at least some (16, 116, 206) are provided with heat transfer surfaces (3, 10, 215) and that at least in some of them means (22, 23, 24, 172, 210) are disposed for controlling the amount of solids flowing through them



Compl. specn. 12 pages

Drg. 3 sheets

Int. CLASS : C 08 J 9/28; D01 F 6/24

166332

PROCESS FOR THE CONTINUOUS PREPARATION OF HOMOGENEOUS SOLUTIONS OF HIGH-MOLECULAR WEIGHT POLYMERS.

Applicant : STAMICARBON B. V. (Licensing SUBSIDIARY OF DSM), A DUTCH COMPANY, OF P.O. BOX 53, 6160 AB GELEEN, THE NETHERLANDS.

Inventors : (1) PIETER JAN LEMSTRA, (2) HENDRICKS EDUARD HUBERTUS MEIJER, (4) LAMBERT HENRY THEODOOR VAN UNEN.

Application No. 711/Mas/85 filed September 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims. No drawing

Process for the continuous preparation of homogeneous solutions of high-molecular weight polymers which comprises :

forming a suspension of high molecular weight polymer particles from 1 to 50 wt.% in a suitable solvent or mixture of solvents, with solvent(s) which is (are) liquid at room temperature;

at a temperature below the boiling point of said solvent(s) and processing said suspension through a screw extruder at a rotational speed of from 30 to 300 revolutions/minute, and equipped with alternate mixing and conveying sections;

during such a required residence time (t) in the extruder that (t) expressed in minutes is at most 0.3 D, wherein D denotes the internal diameter of said extruder expressed in millimetres;

at a temperature above the dissolution temperature of said polymer in said solvent(s) and below the boiling point of the solvent(s) at the prevailing operating pressure, and employing a mixing and kneading treatment therein at a mechanical shear rate between 30 and 2000 section 1.

Compl. specn. 32 pages.

Int. CLASS¹ : F 24 J 2/34

166333

SOLAR WATER HEATER.

Applicant : K. AND K. HOLDINGS PTY. LTD., A COMPANY INCORPORATED IN THE STATE OF WESTERN AUSTRALIA, OF 262 ST. GEORGE'S TERRACE, PERTH, IN THE STATE OF WESTERN AUSTRALIA.

Inventors : (1) KENNETH GEORGE WILLIAMSON, (2) KEITH STUART PAMPLIN GRAHAM.

Application No. 933/Mas/85 filed November 19, 1985.

Convention date : November 19, 1984; (No. PG 8188; Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A solar water heater comprising :

a body defining a space for containing water, the space comprising :

first and second zones;

the first zone being elevated in relation to the second zone and constituting a storage tank;

the second zone having a solar radiation absorbing face to heat water in the second zone;

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

21 Claims

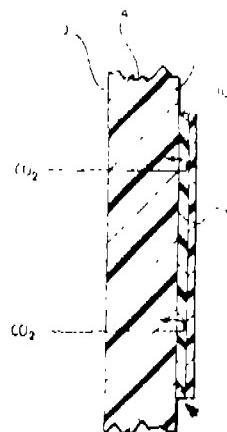
An apparatus for coating an internal wall of a curved conduit with a layer of protective material characterised in that it comprises

a guide means, a longitudinally flexible member which is transversely substantially rigid associated with the said guide means;

means for mounting a coating means adjacent the first end of the flexible member;

for incremental rotation with the flexible member;

a drive means for driving the flexible member relative to a curved conduit to be coated, to enable the coating means to enter the curved conduit and deposit a strip of protective material longitudinally on the conduit, and stepping means for automatically moving the flexible member and consequently the coating means in a rotational increment after the coating means has completed traversing conduit once and for automatically reversing the drive means so that the apparatus deposits a layer of protective material adjacent the first laid protective layer.



Compl. specn. 15 pages

Drg. 2 sheets

Int. CLASS I : A 01 C 7/02

166338

APPARATUS FOR COWING SEEDS.

Applicant & Inventor : KULIKKARAI GANAPATHIA PH LALI SINGARAVELU, AN INDIAN NATIONAL, OF WEST STREET, ANAI THENPATHI, KULIKKARAI 613 704, THANJAVUR DISTRICT, TAMIL NADU, INDIA.

Application No. 985/Mas/85 filed December 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

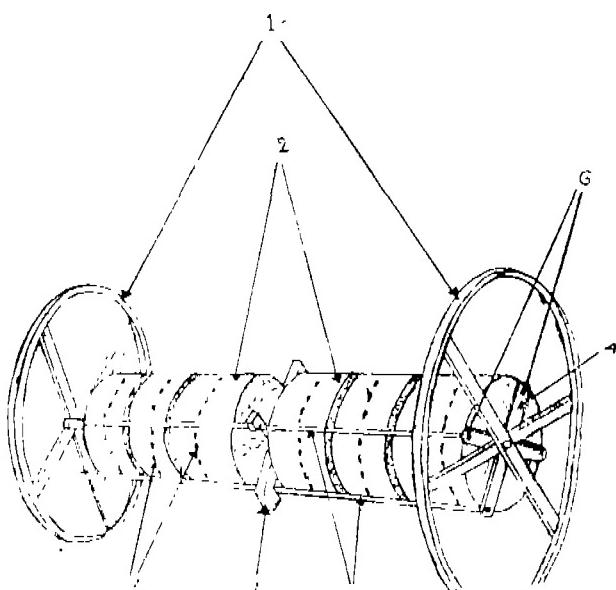
4 Claims

A seed sowing apparatus comprising :

a pair of wheels mounted on an axle and having straddled there between at least one seed dispensing drum provided with a plurality of orifices disposed circumferentially in the wall thereof;

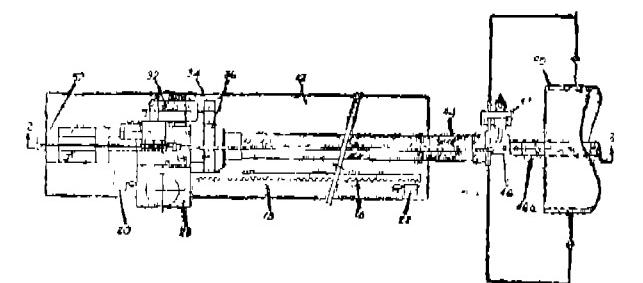
said drum being mounted in a retaining frame having a pair of intersecting end cross members fixed together and located at each opposite end of said frame;

said end cross members being connected together by a plurality of longitudinal rods extending the length of the dispensing drums the ends of said rods being located in the holes provided in the outer ends of said intersecting cross members.



Compl. specn. 4 pages

Drg. 1 sheet



Compl. specn. 22 pages

Drg. 10 sheets

Int. CLASS I : B 65 D 25/14

166337

A METHOD OF MAKING A BARRIER PLASTIC LABELLED HOLLOW POLYESTER OR COPOLYESTER CONTAINER AND THE CONTAINER THEREOF.

Applicant : OWENS-ILLINOIS PLASTIC PRODUCTS INC., A DELAWARE CORPORATION, ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A.

Inventors : (1) SALEH ABD-EL-KARIM JABARIN,
(2) GREGORY MARTIN FEHN.

Application No. 959/Mas/85 filed November 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A method of making a hollow polyester or copolyester container having an outer polyester wall surface with a barrier plastic label comprising :

the steps of forming a heat activatable, high barrier copolyester adhesive layer on the inside surface of a low permeation labelling film to form a label;

the copolyester being a reaction product of isophthalic acid or terephthalic acid, ethylene glycol and 1, 3 bis (2-hydroxy-ethoxy) benzene, applying the label to the outer wall surface of a polyester container or a parison for forming the container, and heating it to soften the copolyester adhesive layer sufficiently to stick to the polyester surface and form an adhesive bond to a boundary area between the label and the polyester surface.

Int. CLASS⁴ : G 01 L 5/00

166339

FORCE MEASURING DEVICE.

Applicant : PFISTER GMBH, A GERMAN COMPANY, OF STATTLINGER STRASSE 70, D-8900 AUGSBURG, FEDERAL REPUBLIC OF GERMANY.

Inventor : HANS WILHELM HAFNER AND GUNTHER BOCK.

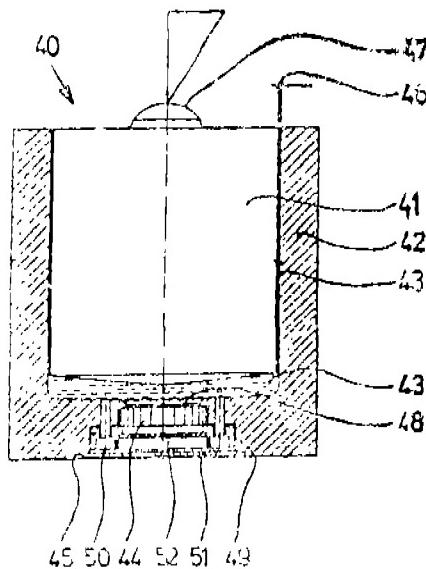
Application No. 993/Mas/85 filed December 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

A force measuring device comprising :

- (a) a base member having an upper cylindrical recess;
- (b) a force introduction member formed as a piston and inserted into said cylindrical recess of said base member;
- (c) elastomeric material essentially provided in a bottom region of said cylindrical recess and in engagement with a lower face surface of said force introduction member;
- (d) a gap provided between a peripheral cylindrical surface of said force introduction member and a cylindrical surface of said recess and essentially completely filled with said elastomeric material said gap having a width which is very small as compared with the height thereof; and
- (e) a pressure sensor in contact with said elastomeric material provided in said bottom region of said cylindrical recess.



Compl. specn. 21 pages

Drg. 4 sheets

Int. CLASS⁴ : B60C 1/42

166340

GRAVITY-CLOSING TONGS FOR HANDLING STEEL
INGOTS, SLABS OR SIMILAR LOADS.

Applicant : M. A. M. MASCHINENFABRIK AUGS-BURGNUBNBERG AKTIENGESELLSCHAFT, A GERMAN COMPANY, OF POSTFACH 440100, 8500 NURNBERG 44, WEST GERMANY.

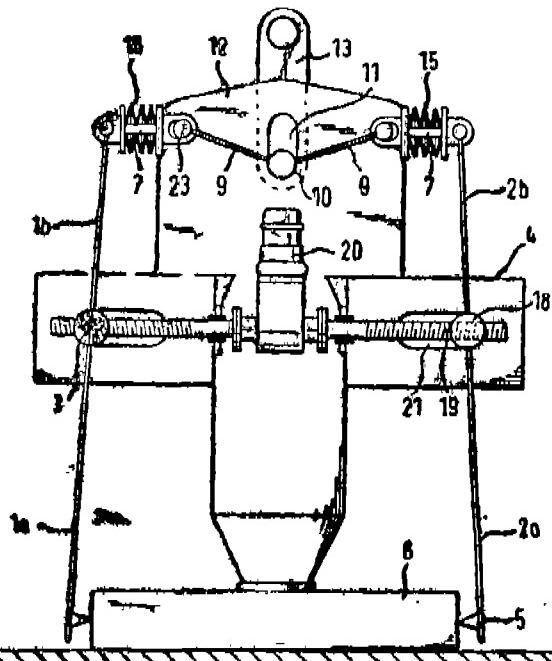
Inventor : WERNER BESOLD.

Application No. 1015/Mas/85 filed December 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

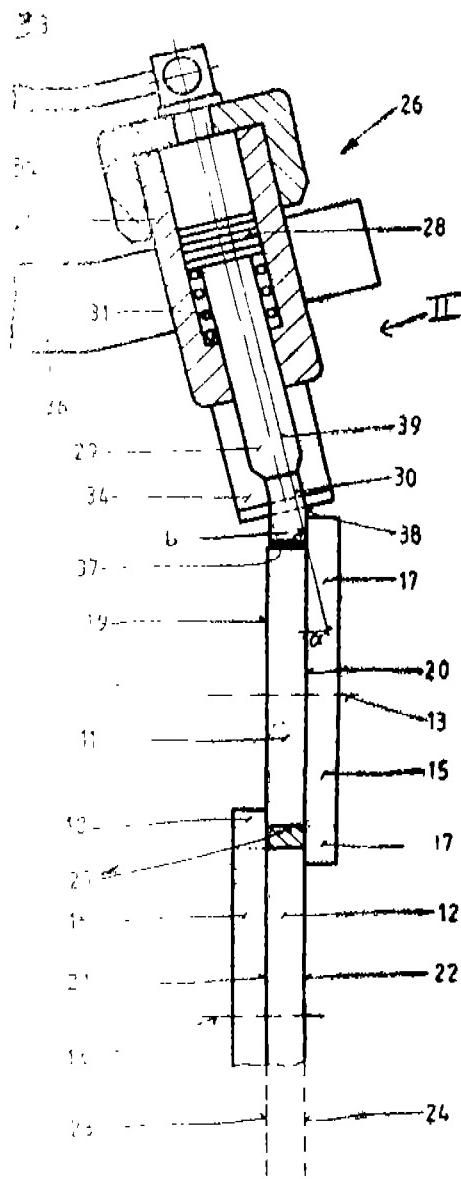
Gravity closing tongs for handling steel ingots, slabs or similar products with two two-armed tongs legs each supported in a tongs casing, the tongs being supported on a pivot in the horizontal plane so that the swivelling axis (3) lie vertically with respect to the plane of motion of the tongs legs, the lower arms of the tongs legs being provided with centers (5) and the upper arms being hinged to equal length links and which tongs feature an adjusting device for displacing the pivots axially and accumulator means to intensify the tongs center application force, characterized in that the accumulator means comprise two horizontally acting force-accumulating elements (compression springs (15)) one each arranged between the upper end of the corresponding tongs leg (1 or 2) and the extreme end of the corresponding link (9) and in that the inner ends of the links (9) are hingedly connected by pins (10) guided in slots (11) of side plates (12) of the tongs casing (4) for vertical adjustment and disposed transverse to the pivoting plane of the tongs legs forming a toggle joint, the limited vertical displacement of said pins being effected by a tension member (13) connectible to the load suspension means of a crane or similar lifting equipment.



Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

Device for cleaning the sensing rollers of a pair of sensing rollers which serve to measure the thickness of a fibre sliver and to produce a signal proportional to the thickness, the end surfaces of which lie in two planes parallel to each other, which have variable mutual spacing and are biased towards each other, in which device the fibre sliver is passed between the outer surfaces of the rollers and is thereby subjected to pressure, flange-like discs adjoining the end surfaces of the sensing rollers together forming a groove at the pressure location, and a scraper being provided for each outer surface, for cleaning thereof, and that means are provided to move the scrapers (26) intermittently into engagement with the outer surfaces of the sensing rollers (11) associated therewith in their scraping position and out of this scraping position, characterised in that one of the flange like discs (17) is provided on one of the sensing rollers (11) and the other flange-like disc (18) is provided on the other sensing roller (12), in that each scraper (26) comprises a scraper blade (30) which, when the scraper (26) is in its scraping position, engages the outer surface of its sensing roller (11) and the side wall of the flange-like disc on the side of this roller (11).



Compl. specn. 13 pages

Drg. 1 sheet

Int. CLASS⁴ : B 01 I 27/14; 27/198

166342

PROCESS FOR THE PREPARATION OF AN IMPROVED CATALYST COMPLEX FOR PARTIAL OXIDATION OF HYDROCARBONS TO MALEIC ANHYDRIDE.

Applicant : ALUSSUISSE ITALIA S.p.A., A CORPORATION ORGANISED UNDER THE LAWS OF ITALY OF VIA MERAVIGLI 16, MILAN, ITALY.

Inventors : (1) CARLO FUNAGALLI, (2) GIANCARLO STEFANI.

Application No. 820/Mas/85 filed October 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A process for the preparation of a catalyst consisting of vanadium/phosphorus complex oxide for the partial oxidation of hydrocarbons to maleic anhydride, wherein a pentavalent phosphorus compound is introduced into an alcohol and vanadium pentoxide having a particle size of 2 micrometer or less is added continuously over the course of 0.5 to 4 hours, 1 to 1.3 atoms of phosphorus being used per atom of vanadium, and the water formed during the reaction is removed continuously and directly from the reaction mixture, whereafter the reaction mixture is separated and the V-P-O complex oxide is isolated by known means as a solid, dried at a temperature of from 90 to 150°C and activated at a temperature of from 200 to 300°C to give the catalyst.

Compl. specn. 25 pages

Drg. 1 sheet

Int. CLASS⁴ : C 05 D 9/02; C 05 B 7/00

166343

A PROCESS FOR THE MANUFACTURE OF IMPROVED DI-AMMONIUM PHOSPHATE (DAP) FERTILISER.

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD., 97, MOUNT ROAD, MADRAS-600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor : NAGALINGAM PILLAI SUBRAMONIA PILLAI.

Application No. 831/Mas/85 filed October 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims. No drawing

A process for the manufacture of improved di-ammonium phosphate (DAP) fertiliser comprising the preparation of DAP granules in the known way wherein the surface of the said granules is treated to render it adhesive the treated granules being thereafter coated with Zinc Oxide or Zinc sulphate powder, the proportions of the said granules and the said compound being selected such that the resulting coated granules have a N : P₂O₅ content of about 18 : 46 and a Zinc content of up to about 3%.

Compl. specn. 8 pages.

Int. CLASS⁴ : C 03 B 23/03

166344

METHOD AND APPARATUS FOR PRODUCING A CURVED GLASS SHEET FROM A FLAT GLASS SHEET BY FORMING GLASS SHEETS.

Applicant : GLASSTECH, INC., A CORPORATION OF OHIO OF 995 FOURTH STREET, AMPOINT INDUSTRIAL PARK, PERRYSBURG, OHIO 43551, U.S.A.

Inventor : HAROLD A. McMASTER.

Application No. 837/Mas/85 filed October 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

25 Claims

A method of producing a curved glass sheet from a flat glass sheet by forming a glass sheet heated to a sufficiently high temperature to be deformable, the method comprising :

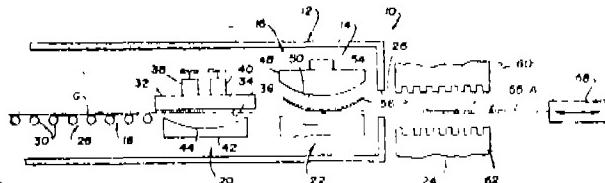
releasing the heated glass sheet from a downwardly facing surface at a first position above a first curved mold;

engaging the heated glass sheet at a first position with a first curved mold having portions which articulate with respect to each other to provide initial forming of the glass sheet;

moving the initially formed glass sheet horizontally to a second position;

engaging the initially formed glass sheet at a second position with a second curved mold to further form the glass sheet; and,

moving the formed glass sheet from the second position and cooling the glass sheet.



Compl. specn. 31 pages

Drg. 3 sheets

Int. CLASS I F 23 D 17/00

166345

AN INJECTOR FOR INJECTION OF AN ATOMIZED SLURRY OF PARTICULATE CARBONACEOUS MATERIAL.

Applicant : TRW INC., OF ONE SPACE PARK, REDONDO BEACH, CALIFORNIA, UNITED STATES OF AMERICA, INCORPORATED IN THE STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors : (1) GABRIEL DELVIS ROY, (2) DOUGLAS BRUCE SHEPPARD.

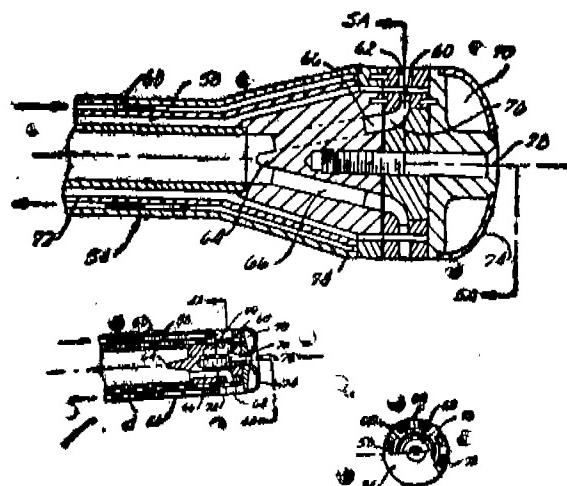
Application No. 849/Mas85 filed October 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

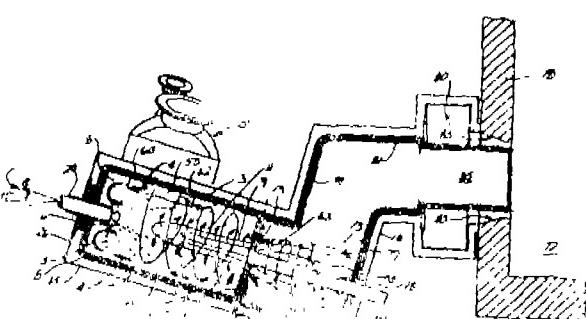
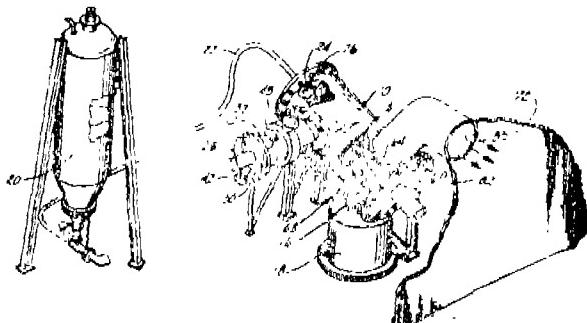
5 Claims

An injector for injection of an atomized slurry of particulate carbonaceous material, which injector comprises :

- (a) an elongate slurry transport conduit having a longitudinal axis terminating in an axially oriented, flow diverting conical divider and a plurality of channels arranged about said divider, to receive slurry flow diverted by said conical divider to said channels;
- (b) a plurality of first slurry flow ports, each having a first inlet respectively in slurry flow communication with said channels and having an exit for discharging diverted slurry in a direction between 45° and 90° with respect to said longitudinal axis;
- (c) a plurality of second slurry flow ports, each in continuing flow communication with, and radially spaced from, an exit of a first port; and
- (d) an atomizing-gas conduit annularly positioned with respect to said slurry transport conduit, oriented between said first and second slurry flow ports in flow intersecting relation to the direction of slurry flow between said first and second ports.



- (b) means for maintaining the temperature of the walls of the combustion chamber such that a layer of slag is retained on the inside surfaces of the wall;
- (c) means for injecting oxidizer gas into said combustion chamber between said head end and said exit end so that a substantial portion of the oxidizer gas passes towards said head end and is there reacted with said comminuted carbonaceous fuel substoichiometrically and the remainder of the oxidizer gas proceeds towards the exit end to produce a relatively oxygen-rich annular zone;
- (d) means for introducing comminuted solid carbonaceous fuel into said chamber near the center of the head end at a relatively low velocity compared to that of the oxidizer gas;
- (e) means for independently regulating the velocity at which the oxidizer gas and the comminuted solid carbonaceous fuel are introduced into the chamber to establish a high velocity swirling flow of oxidizer gas and combustion products within an annular portion of the chamber adjacent said inside surfaces where carbon contained in the fuel is converted to oxides of carbon and most of the non-combustibles present in the fuel are fused and deposited as liquid slag; and
- (f) a slag-recovery chamber operating substoichiometrically and coupled to the combustion chamber for receiving combustion products from said combustion chamber, said slag-recovery chamber comprising :
 - (i) means for collecting a substantial portion of any molten slag not separated from the gaseous products in the combustion chamber;
 - (ii) means defining an aperture for draining molten slag from said slag-recovery chamber; and
 - (iii) a conduit for passing relatively slag-free, fuel-rich gaseous products, after slag collection, from said slag-recovery chamber to associated end-use equipment.



Compl. specn. 52 pages

Drg. 2 sheets

Int. CLASS¹ : F 16 D 7/00

166349

A SPINDLE SHAFT ROTATABLY MOUNTED BY AXIALLY SPACED APART BEARING ASSEMBLIES.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

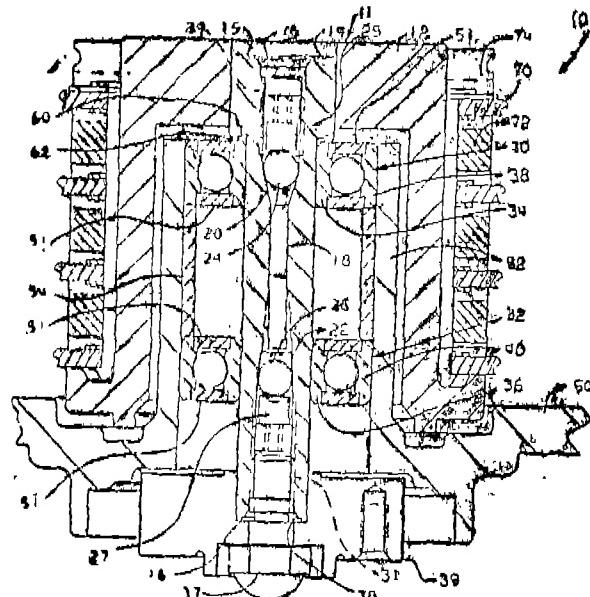
Inventor : LYLE RICK TUFTY.

Application No. 857/Mas/85 filed October 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A spindle shaft rotatably mounted by axially spaced apart bearing assemblies, characterised in that it comprises two axially spaced apart expandable shaft sections for engagement with inner races of the bearing assemblies, and means for expanding the expandable shaft sections.



Compl. specn. 14 pages

Drg. 1 sheet

Int. CLASS¹ : G 06 F 13/00

166350

A DATA PROCESSING SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, U.S.A.

Inventor : JOHN WILLIAM IRWIN.

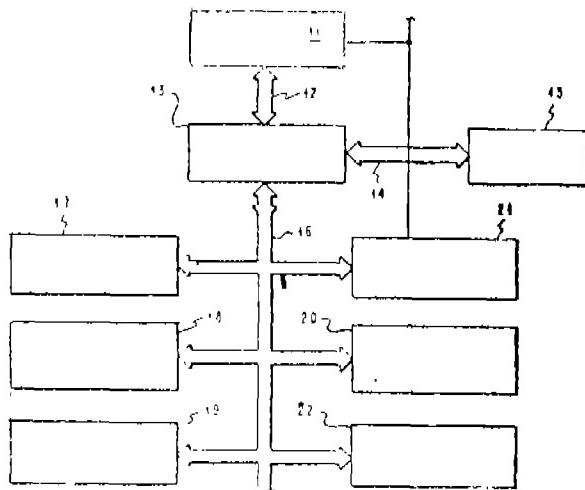
Application No. 858/Mas/85 filed October 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A data processing system including a main processor, programmed to have direct access to an I/O device, and a co-processor, also programmed to have direct access to an I/O device, and an I/O device interconnected by a bus system to the main processor and the co-processor in such a way that both main processor and the co-processor can have direct access to the I/O device, a transport access trap being provided in the co-processor, effective on the co-processor and controlled by the main processor to selectively prevent the co-processor directly

accessing the I/O device and to re-route trapped access requests to the main processor for execution thereby.



Compl. specn. 211 pages

Drg. 4 sheets

Ind. CLASS : 72 C & 10 F

166351

Int. CL¹ : F42B 17/00.

AN APPARATUS AND A WIRE GUIDE TORPEDO ASSEMBLY.

Applicant(s) : FORENADE FABRIKSVERKEN, A COMPANY OWNED BY THE SWEDISH GOVERNMENT AND RESIDING IN S-631 87 ESKilstuna, SWEDEN.

Inventor(s) : NILS BERTIL LJUNGLOF.

Application for Patent No. 774/Del/78 filed on 21st October 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

An apparatus and a wire guided torpedos assembly in which the torpedos has less caliber than the torpedo tube, characterised in that the torpedo along the periphery thereof is formed with a number of support bars (7, 12) having the same calibre as the torpedo tube (3) for placing the torpedo fit within the torpedo tube and in that the hose for the guide wires of the torpedo is mounted in a hose (5) magazine which is mounted in rearwardly projecting parts of the said support bars.

Compl. specn. 10 pages

Drg. 2 sheets

Ind. CLASS : 32 F 3(a)

166352

Int. CLASS¹ : C07 C 27/00.

A PROCESS FOR THE PREPARATION OF METHYL (±)-CIS-3, 3-DIMETHYL-2-FORMYL-CYCLOPROPANE-1-CARBOXYLATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJAT BARAN MITRA, ZAINAB MULJIANI, SMITA GADRE AND VIJAYA JOSHI.

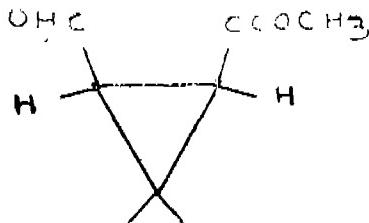
Application for Patent No. 735/Del/85 filed on 4th September, 1985.

Complete specification left on 21st November, 1986.

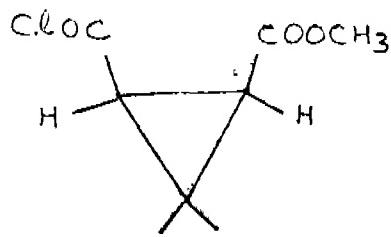
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of methyl (±) cis-3-dimethyl 2 formyl-cyclopropane-1-carboxylate-of the formula (I) of the accompanying drawing



which comprises catalytically hydrogenating the acid chloride of the formula (III) of the accompanying drawing



using palladised carbon as catalyst in the presence of an organic solvent and a base, such as hemicin described, quenching the hydrogen chloride liberated in the reaction, filtering the reaction mixture and distilling the filtrate.

Provisional specn. 3 pages

Drg. 1 sheet

Compl. specn. 7 pages

Drg. 1 sheet

Ind. CLASS : 32 F₂(a)

166353

Int. CL¹ : C07C 85/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF NITRODIPHENYLAMINES.

Applicant: BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

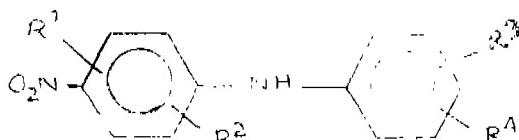
Inventor(s) : CHIRARANJAN PODDER, HARRO SCHLESMANN.

Application for Patent No. 894/Del/85 filed on 25th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of 4-nitrodi-phenylamines of general formula 1



wherein R¹, R², R³ and R⁴ may be identical or different and stand for hydrogen or an alkyl group with 1 to 9 carbon atoms, which comprises reacting 4-nitrohalobenzenes with primary aromatic amines in the presence of potassium carbonate and copper compounds, characterised in that said reaction is carried out in the presence of a solvent selected from sulphonan, dimethylsulphone, diethyiacetamide, diethylacetamide, tetramethylurea, tetracylurea or mixtures thereof, the amount of said amine being 3 to 5 mol per mol of halonitrobenzene, 1.2 to 2 mol of said amine being added before the beginning of the reaction and the remainder during the reaction at such a rate that the molar excess of unreacted amine over unreacted halonitrobenzene constantly amounts to at least 100%.

Compl. specn. 11 pages

Drg. 1 sheet

Ind. CLASS : 140 A₂

166354

Int. Cl.⁴ : C10M 149/22.

A LUBRICANT COMPOSITION FOR USE IN TWO-CYCLE INTERNAL COMBUSTION ENGINES.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor : KIRK EMERSON DAVIS.

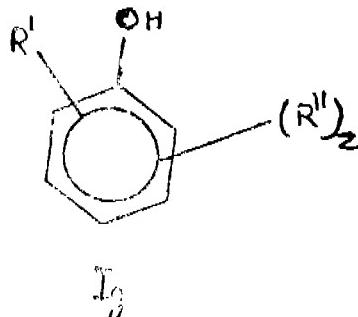
Application for Patent No. 931/Del/85 filed on 07th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

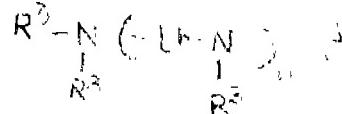
A lubricant composition for use in two-cycle internal combustion engines, the composition comprising an oil of lubricating viscosity such as herein described and an additive present in an amount in the range of from 0.01% to 30% by weight, based on the weight of the lubricating composition, said additive comprising :

(A) an alkylated phenol of the formula I of the drawings



wherein R¹ may be located ortho or para to the hydroxyl group and is a hydrocarbon-based group containing 30 to 400 aliphatic carbon atoms, R² is a lower alkyl and z is 0 or 1; and

(B) a polyalkylene polyamine of the general formula (III) of the drawings :



wherein U is an alkylene group of from 2 to 10 carbon atoms, each R³ is independently selected from the group consisting of hydrogen and a hydrocarbon-based group containing 1-12 carbon atoms, with the proviso that at least one R³ is a hydrogen atom, and n is a whole number of from 1 to 10 wherein the weight ratio of (A); (B) is in the range of from 2; 1 to 400; 1.

Compl. specn. 101 pages

Drg. 6 sheets

Ind. CLASS : 32F₂(a)

166355

Int. Cl.⁴ C07C 91/44.

A PROCESS FOR PREPARING P-AMINO PHENOLS BY ELECTROLYSIS.

Applicant : FARMACEUTISK LABORATORIUM FERRING A/S, A DANISH COMPANY, OF INDETOFTEN 5, DK-2720 VANLOSE, DENMARK.

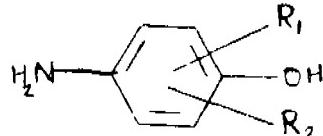
Inventor : HENNING LUND.

Application for Patent No. 967/Del/1985 filed on 19th November, 1985.

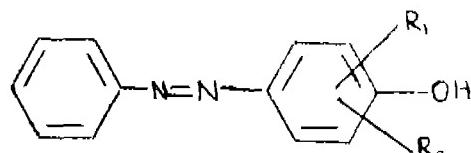
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for preparing p-amino phenols of the general formula I



of the accompanying drawings wherein R₁ and R₂ are independently hydrogen, optionally substituted alkyl, halogen, COOH, SO₃H or NO₂, by electrolytic reduction of p-phenylazophenols of the formula II



of the drawings wherein R₁ and R₂ are as defined above, in an aqueous medium, characterized in that said electrolysis is carried out in a basic medium at a pH value at least equal to the pKa value of the p-phenylazophenol and at an elevated temperature of at least 50°C, preferably from 70°C to 100°C.

Compl. specn. 15 pages

Drg. 1 sheet

Ind. CLASS : 32F_(a)

166356

Int. Cl. : C07C 87/54.

IMPROVED PROCESS FOR THE PRODUCTION OF 4-NITRODIPHENYLAMINES.

Applicant: BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

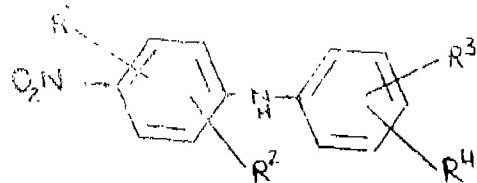
Inventor(s) : CHIRARANJAN PODDER, HARRO SCHUESMANN.

Application for Patent No. 24/Del/86 filed on 8th January, 1986.

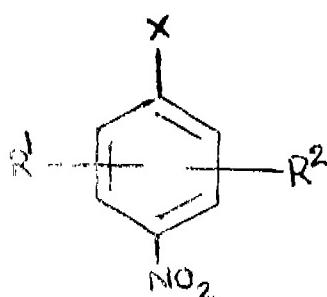
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

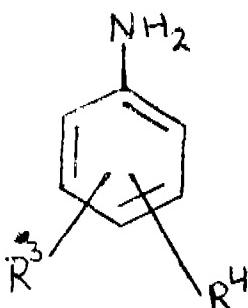
An improved process for the production of 4-nitrodiphenylamines corresponding to the general formula I



of the accompanying drawings wherein : R¹, R², R³ and R⁴, which may be the same or different, represent hydrogen or a C₁-C₆ alkyl radical : by reaction of halonitrobenzenes corresponding to the general formula II



of the drawings wherein : X represents chlorine or bromine; and R¹ and R² are as defined above; with primary aromatic amines corresponding to the following general formula III



of the drawings wherein : R³ and R⁴ are as defined above; in the presence of potassium carbonate and copper compounds of the kind as herein described characterised in that

synthetic polyamides as herein described are added in an amount from .01 to 0.1 mole of CONH- groups per mole of halonitrobenzene.

Compl. specn. 11 pages

Drg. 1 sheet

Ind. CLASS : 140A2

166357

Int. Cl. : C10M 137/14.

A PROCESS FOR PREPARING A LUBRICANT COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO-44092 U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A

Inventor(s) : CLARK ALAN CURTIS & YODICE RICHARD.

Application for Patent No. 154/Del/86 filed on 24th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for preparing a lubricant composition preferably for internal combustion engines comprising :

(a) forming a mixture of ---

(i) aromatic alcohols which are substituted with low hydrocarbyl substituents containing up to 4 carbon atoms; and

(ii) aromatic alcohols which are substituted with high hydrocarbyl substituents containing 4 to 18 carbon atoms by mixing the above two ingredients;

(b) reacting the mixture of aromatic alcohols with phosphorus sulfides, at temperatures of 50° to 200°C, to form a reaction product;

(c) reacting the reaction product with a metal or basic metal compound such as herein described at temperatures of 30°C to 90°C, to form a mixture of metal salts; and

(d) combining the mixture of metal salts with a lubricating oil such as herein described in such proportion that the oil and metal salts produce the lubricant composition containing 0.001 to 0.15 parts by weight of phosphorus, per 100 parts by weight of oil.

Compl. specn. 16 pages

Drg. 1 sheet

Ind. CLASS : 195C, 133A, 24D

166358

Int. Cl. : F 16 K 31/02, 31/143.

TWO CIRCUIT FLUID PRESSURE CONTROL VALVES.

Applicant : BENDIX LIMITED, A BRITISH COMPANY, OF DOUGLAS ROAD, KINGSWOOD, BRISTOL BS 15 2NL, ENGLAND.

Inventor(s) : FOGG STEPHEN WALTER.

Application for Patent No. 171/Del/86 filed on 26 February, 1986.

Convention date March 21, 1985/8604281 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

- 0.1 to 2% by weight of at least one stabilizing agent selected from the group consisting of an alkanol phosphoric acid ester and aluminium salt of a higher aliphatic carboxylic acid; and
- 2 to 8% by weight of a copolymer of polyacrylate and polymaleic anhydride alkali metal salt as an anti-crustation agent, said nonionic surfactant has dispersed therein said organic builder particles, having a particle size distribution such that no more than 10% by weight of said particles have a particle size of more than 10 microns

Compl. specn. 33 pages

Drg. 2 sheets

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161410. Tinytop Appliances Private Limited, 144 Creama Road, Madras 600 006, Tamilnadu, India, An Indian Private Limited Company. "Diffuser for Centrifugal Pumps" 12th September, 1989.

Class 1. No. 161605. Partecipazioni Bulgari S.P.A a company organised under the laws of Italy of No. 5, Via Gregoriana-00187, ROMA Italy. "an Farring" 17th November, 1989.

Class 1 Nos. 161606 & 161607 Partecipazioni Bulgari S.P.A. a company organised under the laws of Italy of No. 5, Via Gregoriana-00187, ROMA Italy. "a Necklace". 17th November 1989

Class 1. No. 161658. S. K. Chakraborty of M/s. Rescon (India) Pvt. Ltd., 2C, Satyen Roy Road, Calcutta-700 034, West Bengal, Indian. "Thermotip for steel Ladle Nozzles". 29th November, 1989.

Class 1 No. 161664. Prestige Housewares (India) Limited, of 78 Old Madras Road, Dooravani Nagar, Bangalore-560016, State of Karnataka, India, an Indian Company, a "Pressure Pan Weight". 1st December, 1989.

Class 3. No. 161404. The Secretary, Department of Science and Technology, Technology Bhavan New Mehranli Road, New Delhi-110016, India, an Indian national. "A Brake Caliper Assembly for Bicycle" 12th September, 1989

Class 3 No. 161405. The Secretary, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi-110016, India, an Indian national. "A Bottom Bracket Assembly for Bicycle". 12th September, 1989.

Class 3. No. 161522. Prayas Pen & Plastic Industries, 207, Sati Industrial Estate, I.B. Patel Road, Goregaon (E), 207, Sati Industrial Estate, I.B. Patel Road, Goregaon (E),Bombay-63, State of Maharashtra, India, an Indian Partnership firm. "PEN". 13th October, 1989.

Class 3. No. 161663. Prestige Housewares (India) Limited, of 78 Old Madras Road, Dooravani Nagar, Bangalore-560016, State of Karnataka, India, an Indian Company, "a Pressure Pan Lid Handle". 1st December, 1989.

Class 3. No. 161748. Pure Drinks (New Delhi) Limited, of S. Mohan Singh Building, Connaught Lane, New Delhi-110001, India, a company incorporated under the Indian Companies Act, 1956. "Bottles". 28th December, 1989.

Class 4 No. 161617. Societe Jas Hennessy & Co., a French Societe Anonyme, of 1 rue de la Richonne, 16100 Cognac, France. "a Decanter" 22nd November, 1989.

Class 4. No. 161627. Herbertsons Limited, of Ewart House, 22 Homi Mody Street, Bombay-400023, Maharashtra, India, an Indian Company. "Bottle" 27th November, 1989.

Class 4. No. 161749. Pure Drinks (New Delhi) Limited, of S. Mohan Singh Building, Connaught Lane, New Delhi-110001, India, a company incorporated under the Indian Companies Act, 1956. "Bottles". 28th December, 1989.

Copyright Extended for the Second Period of five years

No. 160887. Class 1.
Nos. 155315, 155592, 155593. Class 12.

Copyright Extended for the Third Period of five years

Nos 149445, 149844, 160887. Class 1.
No 149423. Class 4.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks

